## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,893,636 B2 DATED : May 17, 2005

INVENTOR(S) : Reff et al.

Page 1 of 30

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete Columns 47-64 and Columns 65-66, lines 1-42 and insert the attached pages.

Signed and Sealed this

Ninth Day of May, 2006

JON W. DUDAS Director of the United States Patent and Trademark Office

## SEQUENCE LISTING

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<110> REFF, MITCHELL E.
      KLOETZER, WILLIAM S.
      NAKAMURA, TAKEHIKO
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THEREOF AS THERAPEUTICS
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<140> 09/019,441
<141> 1998-02-05
<150> 08/803,085
<151> 1997-02-20
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<223> Descri World Monkey facilitate of <400> 2 Met Ala Trp	(macaque) cloning Thr Leu Le -15	; leader so	equence is a Thr Leu Leu -10	an artificia	Thr Gly	
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<pre>&lt;223&gt; Descri World Monkey facilitate of &lt;400&gt; 2  Met Ala Trp  Ser Trp Ala</pre>	(macaque) cloning  Thr Leu Le -15  Gln Ser Al 1  Ser Val Th	tu Leu Val.	equence is a Thr Leu Leu -10 Gln Pro Pro Cys Thr Gly	Thr Gln Gly  Ser Val Ser  10  Thr Ser Asp	Thr Gly -5 Gly Ser Asp Val	
<pre>&lt;223&gt; Descri World Monkey facilitate of &lt;400&gt; 2  Met Ala Trp  Ser Trp Ala</pre>	(macaque) cloning  Thr Leu Le -15  Gln Ser Al 1  Ser Val Th  Asn Tyr Va	tu Leu Val.  a Pro Thr (  5  r Ile Ser (  20  1 Ser Trp 1  5	equence is a Thr Leu Leu -10 Gln Pro Pro Cys Thr Gly Tyr Gln His 40	Thr Gln Gly  Ser Val Ser  10  Thr Ser Asp 25	Thr Gly -5 Gly Ser Asp Val Lys Ala 45	
<pre>&lt;223&gt; Descri World Monkey facilitate of &lt;400&gt; 2  Met Ala Trp  Ser Trp Ala</pre>	(macaque) cloning  Thr Leu Le -15  Gln Ser Al 1  Ser Val Th  Asn Tyr Va 3  Met Ile Ty 50	; leader so u Leu Val. ?  a Pro Thr (  5  r Ile Ser (  20  1 Ser Trp 1  5  r Asp Val A	equence is a Thr Leu Leu -10 Gln Pro Pro Cys Thr Gly Tyr Gln His 40 Ala Lys Arg	Thr Gln Gly  Ser Val Ser 10  Thr Ser Asp 25  His Pro Gly	Thr Gly -5 Gly Ser Asp Val Lys Ala 45 Val Ser 60	
<pre>&lt;223&gt; Descri World Monkey facilitate of &lt;400&gt; 2  Met Ala Trp  Ser Trp Ala</pre>	(macaque) cloning  Thr Leu Le -15  Gln Ser Al 1  Ser Val Th  Asn Tyr Va 3  Met Ile Ty 50  Ser Gly Se 65	; leader so u Leu Val. da Pro Thr ( 5 r Ile Ser ( 20 l 5 r Asp Val F	equence is a Thr Leu Leu -10 Gln Pro Pro Cys Thr Gly Tyr Gln His 40 Ala Lys Arg 55 Gly Asn Thr	Thr Gln Gly  Ser Val Ser 10  Thr Ser Asp 25  His Pro Gly  Ala Ser Gly	Thr Gly -5 Gly Ser Asp Val Lys Ala 45 Val Ser 60 Thr Ile	

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                -15
gto otg too cag otg cag otg cag gag tog ggo oca gga gtg gtg aag
                                                                   96
Val Leu Ser Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Val Val Lys
         -1
             1
cct teg gag acc etg tee ete acc tgc get gte tet ggt gge tet gte
Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Val
     15
                         20
age agt agt aac tgg tgg acc tgg atc cgc cag ccc cca ggg aag gga
Ser Ser Ser Asn Trp Trp Thr Trp Ile Arg Gln Pro Pro Gly Lys Gly
 30
ctg gag tgg att gga cgt atc tct ggt agt ggg gcc acc aac tac
                                                                   240
Leu Glu Trp Ile Gly Arg Ile Ser Gly Ser Gly Gly Ala Thr Asn Tyr
aac cog too etc aag agt ega gte atc att tea caa gae aeg tee aag
                                                                   288
Asn Pro Ser Leu Lys Ser Arg Val Ile Ile Ser Gln Asp Thr Ser Lys
aac cag tto too otg aac otg aac tot gtg acc gcc gcg gac acg gcc
                                                                   336
Asn Gln Phe Ser Leu Asn Leu Asn Ser Val Thr Ala Ala Asp Thr Ala
gtg tat tac tgt gcc aga gat tgg gcc caa ata gct gga aca acg cta
                                                                   384
Val Tyr Tyr Cys Ala Arg Asp Trp Ala Gln Ile Ala Gly Thr Thr Leu
                        100
                                            105
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Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Val
Ser Ser Ser Asn Trp Trp Thr Trp Ile Arg Gln Pro Pro Gly Lys Gly
                                          40
Leu Glu Trp Ile Gly Arg Ile Ser Gly Ser Gly Gly Ala Thr Asn Tyr
Asn Pro Ser Leu Lys Ser Arg Val Ile Ile Ser Gln Asp Thr Ser Lys
Asn Gln Phe Ser Leu Asn Leu Asn Ser Val Thr Ala Ala Asp Thr Ala
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                                                                   48
 Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Trp
                             -15
 etc cca ggt gcc aga tgt gac atc cag atg acc cag tct cca tct tcc
                                                                   96
 Leu Pro Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ser Ser
                      -1
ctg tct gca tct gta ggg gac aga gtc acc atc act tgc agg gca agt
                                                                   144
Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
 cag gac att agg tat tat tta aat tgg tat cag cag aaa cca gga aaa
                                                                   192
Gln Asp Ile Arg Tyr Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
get eet aag ete etg ate tat gtt gea tee agt ttg caa agt ggg gte
                                                                   240
Ala Pro Lys Leu Leu Ile Tyr Val Ala Ser Ser Leu Gln Ser Gly Val
         45
cca tca agg ttc agc ggc agt gga tct ggg aca gag ttc act ctc acc
                                                                   288
Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
gtc agc agc ctg cag cct gaa gat ttt gcg act tat tac tgt cta cag
                                                                   336
Val Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln
 75
                     80
gtt tat agt acc cet egg acg tte gge caa ggg acc aag gtg gaa atc
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Lys
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                                                -10
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```
-1
     -5
                                                             10
Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
Gln Asp Ile Arg Tyr Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys
Ala Pro Lys Leu Leu Ile Tyr Val Ala Ser Ser Leu Gln Ser Gly Val
Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
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                                                                   48
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gtc cag tgt gag gtg cag ctg gtg gag tct ggg ggc ggc ttg gca aag
Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Ala Lys
cct ggg ggg tcc ctg aga etc tcc tgc gca gcc tcc ggg ttc agg ttc
Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Arg Phe
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acc Thr 30	Phe	aat Asn	aac Asn	tac Tyr	tac Tyr 35	Met	gac Asp	tgg Trp	gtc Val	cgc Arg 40	Gln	gct Ala	cca Pro	G] y ggg	cag Gln 45	192
<b>G1</b> 3	ctg Leu	gag Glu	tgg Trp	gtc Val 50	Ser	cgt Arg	att Ile	agt Ser	agt Ser 55	agt Ser	ggt Gly	gat Asp	ccc Pro	aca Thr 60	Trp	240
tac Tyr	gca Ala	gac Asp	tcc Ser 65	gtg Val	aag Lys	ggc	aga Arg	ttc Phe 70	Thr	atc Ile	tcc Ser	aga Arg	gag Glu 75	aac Asn	gcc Ala	288
aac Asn	aac Asn	aca Thr 80	Leu	ttt Phe	ctt Leu	caa Gln	atg Met 85	Asn	agc Ser	ctg Leu	aga Arg	gct Ala 90	gag Glu	gac Asp	acg Thr	336
gct Ala	gtc Val 95	Tyr	tac Tyr	tgt Cys	gcg Ala	agc Ser 100	Leu	act Thr	aca Thr	ggg Gly	tct Ser 105	Asp	tcc Ser	tgg Trp	ggc Gly	384
Cag Gln 110	Gly	gtc Val	ctg Leu	gtc Val	acc Thr 115	gtc Val	tcc Ser	tca Ser								411
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<22 Wor fac <40	3> De ld Me ilita 0> 8	onke ate	y (ma clon:	acaqı ing	16};	lead	der s	seque	ence	is a	an ai	rt <b>i</b> £i	icia:	l se	quence	ed from Old to
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